

Cell I1029

Track I10

Images

Level 2 – [I1029.jpg](#)

Track and Grains: N/A

Level 3: N/A

Microtomed samples: N/A

Track History: Cell I1029 has been scanned via the Stardust@Home Project and selected as a candidate tile containing a track.

Extracted 30Apr08 from fourth 9 o'clock swarm.
Sent to Westphal/UCB
Removed from fork in plastic box with feed-throughs
Mounted in Si₃N₄ window sandwich.
Analyzed at ALS 11.0.2 (Tyliszczak/Westphal)
Analyzed at ALS 1.4.3, FTIR (Bechtel) on 07May08
pikokeystone thickness is 70 μm

Track Characteristics:

Type: ?

Length / Depth: ?

Grain diameters:?

Allocation History

Results

Track: FTIR: analysis indicates large organic contamination, primarily in CH₂ and amide regions. The contamination is distributed homogeneously throughout the keystone.

STXM: analysis found three 1 μm particles in the picokeystone. One particle contains sodium, possibly nickel, no iron, cerium, silicon. Two other grains contain sodium, possibly weak aluminum, and silicon XANES like aerogel, no iron, magnesium, cerium. Carbon and nitrogen XANES on picokeystone. Some nitrogen detected in fragment 2.

Data Files: